

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re application of:

Limb et al.

Appl. No. 09/748,741

Filed: December 26, 2000

For: **Method for Opening a  
Proprietary MAC Protocol in a  
Non-DOCSIS Modem Compatibly  
with a DOCSIS Modem**

Confirmation No. 4263

Art Unit: 2642

Examiner: To be assigned

Atty. Docket: 1875.0830001

**Revocation of Prior Power of Attorney and Appointment of New  
Attorneys of Record**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The undersigned, having express authority to represent Broadcom Corporation, the assignee of the entire right, title, and interest in the above-captioned application, by Assignment filed at the U.S. Patent and Trademark Office on even date herewith (copy enclosed), hereby revokes all powers of attorney heretofore given in the above-captioned application and appoints as his attorneys Robert Greene Sterne, Registration No. 28,912; Edward J. Kessler, Registration No. 25,688; Jorge A. Goldstein, Registration No. 29,021; Samuel L. Fox, Registration No. 30,353; David K.S. Cornwell, Registration No. 31,944; Robert W. Esmond, Registration No. 32,893; Tracy-Gene G. Durkin, Registration No. 32,831; Michele A. Cimbala, Registration No. 33,851; Michael B. Ray, Registration No. 33,997; Robert E. Sokohl, Registration No. 36,013; Eric K. Steffe, Registration No. 36,688; Michael Q. Lee, Registration No. 35,239; Steven R. Ludwig, Registration No. 36,203; John M. Covert, Registration No. 38,759; and Linda E. Alcorn, Registration No. 39,588, with full power of substitution, association, and revocation, to prosecute said application and to transact all business in the United States Patent and Trademark Office connected therewith.

The undersigned hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

Send all correspondence to:

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
1100 New York Avenue, N.W.  
Suite 600  
Washington, D.C. 20005-3934.

Direct telephone calls to (202) 371-2600.

On behalf of Broadcom Corporation:

FOR: Broadcom Corporation

SIGNATURE: WRuehle

BY: William Ruehle

TITLE: Vice President & CFO

DATE: May 29, 2001

# Certificate Under 37 C.F.R. § 3.73(b)



Applicant/Patent Owner: John O. Limb, Dolors Sala, Ajay Chandra V. Gummalla and Fred A. Bunn

Application No./Patent No.: 09/748,741 Filed/Issue Date: December 26, 2000

Entitled: Method for Opening a Proprietary MAC Protocol in a Non-DOCSIS Modem Compatibly with a DOCSIS Modem

Broadcom Corporation, a corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1.  the assignee of the entire right, title, and interest, or
2.  an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A.  An Assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B.  A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

**[NOTE:** A separate copy (*i.e.*, the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: May 29, 2001

Name: William Ruehle

Title: Vice President & CFO

Signature: William Ruehle

**DO NOT FORWARD  
TO ASSIGNMENT BRANCH  
NOT FOR RECORDATION**

Docket No. 40671/PAN/B600

Joint

## **ASSIGNMENT**

**WHEREAS, WE**, John O. Limb; Dolors Sala; Ajay Chandra V. Gummalla; Fred A. Bunn; residing at Atlanta, Georgia; Atlanta, Georgia; Atlanta, Georgia; Roswell, Georgia; respectively, have invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled **METHOD FOR OPENING A PROPRIETARY MAC PROTOCOL IN A NON-DOCSIS MODEM COMPATIBLY WITH A DOCSIS MODEM**, filed December 26, 2000, Application No. 09/748,741, which claims the benefit of U.S. Provisional Application No. 60/171,912, filed December 23, 1999.

**AND WHEREAS** BROADCOM CORPORATION, a California corporation, having a place of business at 16215 Alton Parkway, Irvine, California 92618-3616 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said improvements and application.

**NOW, THEREFORE**, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to said improvements, and said application and all divisions and continuations thereof, and all United States Letters Patents which may be granted thereon and all reissues, reexaminations and extensions thereof, and all priority rights under all available International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms in every participating country, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all continuations, divisions, extensions, renewals, substitutes, and reissues thereof) granted for said improvements in any foreign countries; and we hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to ASSIGNEE in accordance with the terms of this Assignment;

**AND WE HEREBY** covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

**AND WE HEREBY** further covenant and agree that we will communicate to ASSIGNEE any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said improvements in all countries.

ASSIGNMENT  
Docket No. 40671/PAN/B600

Joint

IN TESTIMONY WHEREOF, I hereunto set my hand this 21 day of February, 2001.

John O. Limb  
John O. Limb

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IN TESTIMONY WHEREOF, I hereunto set my hand this 21 day of February, 2001.

Dolors Sala  
Dolors Sala

\*\*\*\*\*

IN TESTIMONY WHEREOF, I hereunto set my hand this 21 day of February, 2001.

A. V. Ajay Chandra  
Ajay Chandra V. Gummalla

\*\*\*\*\*

**ASSIGNMENT**  
**Docket No. 40671/PAN/B600**

**Joint**

IN TESTIMONY WHEREOF, I hereunto set my hand this 21 day of February, 2001.

  
Fred A. Bunn

PAN/dlf  
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